

Title (en)

VIBRATION DAMPER FOR CLUTCH FRICTION DISC OF A MOTOR VEHICLE

Title (de)

SCHWINGUNGSDÄMPFER FÜR EINE KUPPLUNGSREIBUNGSSCHEIBE EINES KRAFTFAHRZEUGS

Title (fr)

AMORTISSEUR DE TORSION POUR DISQUE DE FRICTION D'EMBRAYAGE D'UN VÉHICULE AUTOMOBILE

Publication

EP 2959181 B1 20170315 (FR)

Application

EP 14706918 A 20140211

Priority

- FR 1351599 A 20130222
- FR 2014050261 W 20140211

Abstract (en)

[origin: WO2014128380A1] The invention relates to a vibration damper for a clutch friction disc (1) including: an input element and an output element, rotatably movable relative to one another about an axis of rotation X; damping means for transmitting a torque and damping the rotational deviations between the input and output elements; the input element including two flanges (12, 13), fixed to one another for conjoint rotary movement, arranged on either side of the damping means and thus defining a cassette for housing said damping means; the damping means comprising a resilient blade (22), fixed to one of said input and output elements for rotation therewith, and provided with a cam surface (23). The damper comprises a cam follower (24), supported by the other one of said input and output elements, and arranged such as to engage with said cam surface (23). The cam surface (23) is arranged such that, for an angular displacement between the input element and the output element relative to an angular rest position, the cam follower (24) exerts a bending force on the resilient blade (22) producing a reaction force capable of returning said input and output elements towards said angular rest position.

IPC 8 full level

F16F 15/121 (2006.01); **F16F 15/123** (2006.01)

CPC (source: CN EP)

F16F 15/1213 (2013.01 - EP); **F16F 15/1215** (2013.01 - EP); **F16F 15/12306** (2013.01 - CN); **F16F 15/12346** (2013.01 - CN); **F16F 15/12393** (2013.01 - EP); **F16D 13/644** (2013.01 - EP); **F16F 2230/0064** (2013.01 - EP)

Cited by

US10422406B2; EP3177851A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014128380 A1 20140828; BR 112015017607 A2 20170711; CN 105074270 A 20151118; CN 105074270 B 20170308; EP 2959181 A1 20151230; EP 2959181 B1 20170315; FR 3002605 A1 20140829; FR 3002605 B1 20150424; FR 3018572 A1 20150918; FR 3018572 B1 20161111; KR 20150120375 A 20151027

DOCDB simple family (application)

FR 2014050261 W 20140211; BR 112015017607 A 20140211; CN 201480009803 A 20140211; EP 14706918 A 20140211; FR 1351599 A 20130222; FR 1500505 A 20150313; KR 20157022539 A 20140211